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**CLAIMS:**

1. A method for treating a bone condition, comprising administering to a patient in need thereof an effective amount of preptin, preptin analog, or a preptin agonist.
2. The method of claim 1, wherein the amino acid sequence of preptin is SEQ ID NO: 1, 2,  
5 or 3.
3. The method of claim 1, wherein the preptin agonist comprises a fragment or the entirety  
of the amino acid sequence of SEQ ID NO: 1, 2, or 3.
- 10 4. The method of claim 3, wherein the fragment is amino acid residues 17-34 of SEQ ID  
NO: 1, 2, or 3.
5. The method of claim 1, wherein the preptin agonist comprises an amino acid sequence  
that is at least 60% identical to SEQ ID NO: 1, 2, or 3.  
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6. The method of claim 5, wherein the preptin agonist comprises an amino acid sequence  
that is at least 80% identical to SEQ ID NO: 1, 2, or 3.
- 20 7. The method of claim 5, wherein the preptin agonist comprises an amino acid sequence  
that is at least 90% identical to SEQ ID NO: 1, 2, or 3.
8. The method of claim 5, wherein the preptin agonist comprises an amino acid sequence  
that is at least 95% identical to SEQ ID NO: 1, 2, or 3.
- 25 9. The method of claim 1, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3  
with up to 14 conservative amino acid substitutions.
10. The method of claim 9, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3  
with up to 10 conservative amino acid substitutions.

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11. The method of claim 9, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 6 conservative amino acid substitutions.
12. The method of claim 9, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 2 conservative amino acid substitutions.  
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13. A method for increasing or maintaining bone density, comprising administering to a subject in need thereof an effective amount of preptin, preptin analog, or a preptin agonist.  
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14. The method of claim 13, wherein the amino acid sequence of preptin is SEQ ID NO: 1, 2, or 3.  
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15. The method of claim 13, wherein the preptin agonist comprises a fragment or the entirety of the amino acid sequence of SEQ ID NO: 1, 2, or 3.  
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16. The method of claim 15, wherein the fragment is amino acid residues 17-34 of SEQ ID NO: 1, 2, or 3.  
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17. The method of claim 13, wherein the preptin agonist comprises an amino acid sequence that is at least 60% identical to SEQ ID NO: 1, 2, or 3.  
18. The method of claim 17, wherein the preptin agonist comprises an amino acid sequence that is at least 80% identical to SEQ ID NO: 1, 2, or 3.  
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19. The method of claim 17, wherein the preptin agonist comprises an amino acid sequence that is at least 90% identical to SEQ ID NO: 1, 2, or 3.  
20. The method of claim 17, wherein the preptin agonist comprises an amino acid sequence that is at least 95% identical to SEQ ID NO: 1, 2, or 3.  
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21. The method of claim 13, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 14 conservative amino acid substitutions.
22. The method of claim 21, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3  
5 with up to 10 conservative amino acid substitutions.
23. The method of claim 21, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 6 conservative amino acid substitutions.
- 10 24. The method of claim 21, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 2 conservative amino acid substitutions.
25. A method for stimulating osteoblast growth or modulating osteoblast apoptosis, comprising administering to a subject in need thereof an effective amount of preptin,  
15 preptin analog, or a preptin agonist.
26. The method of claim 25, wherein the amino acid sequence of preptin is SEQ ID NO: 1, 2, or 3.
- 20 27. The method of claim 25, wherein the preptin agonist comprises a fragment or the entirety of the amino acid sequence of SEQ ID NO: 1, 2, or 3.
28. The method of claim 27, wherein the fragment is amino acid residues 17-34 of SEQ ID NO: 1, 2, or 3.
- 25 29. The method of claim 25, wherein the preptin agonist comprises an amino acid sequence that is at least 60% identical to SEQ ID NO: 1, 2, or 3.
30. The method of claim 29, wherein the preptin agonist comprises an amino acid sequence  
30 that is at least 80% identical to SEQ ID NO: 1, 2, or 3.

31. The method of claim 29, wherein the preptin agonist comprises an amino acid sequence that is at least 90% identical to SEQ ID NO: 1, 2, or 3.
32. The method of claim 29, wherein the preptin agonist comprises an amino acid sequence  
5 that is at least 95% identical to SEQ ID NO: 1, 2, or 3.
33. The method of claim 19, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 14 conservative amino acid substitutions.  
10 34. The method of claim 33, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 10 conservative amino acid substitutions.  
35. The method of claim 33, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 6 conservative amino acid substitutions.  
15 36. The method of claim 33, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 2 conservative amino acid substitutions.  
37. An article of manufacture comprising:  
20 a vessel containing preptin, preptin analog, or a preptin agonist; and instructions for use of preptin, preptin analog, or a preptin agonist for treatment of a bone condition comprising administering an effective amount of preptin, preptin analog, or a preptin agonist to a patient.  
25 38. An article of manufacture comprising:  
packaging material; and contained within the packaging material, preptin, preptin analog, or a preptin agonist; wherein the packaging material comprises a label that indicates that preptin, preptin analog, or a preptin agonist can be used for treating a bone condition in a patient.

39. Use of preptin, a preptin analog, or a preptin agonist in the manufacture of a medicament for treating a bone condition.
40. Use of preptin, a preptin analog, or a preptin agonist in the manufacture of a medicament for increasing or maintaining bone density.  
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41. Use of preptin, a preptin analog, or a preptin agonist in the manufacture of a medicament for stimulating osteoblast growth or modulating osteoblast apoptosis.
- 10 42. Use according to any of claims 39 to 41, wherein the amino acid sequence of preptin is SEQ ID NO: 1, 2, or 3.
43. Use according to any one of claims 39 to 41, wherein the preptin agonist comprises a fragment or the entirety of the amino acid sequence of SEQ ID NO: 1, 2, or 3.  
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44. Use according to claim 43, wherein the fragment is amino acid residues 17-34 of SEQ ID NO: 1, 2, or 3.
- 20 45. Use according to any one of claims 39 to 41, wherein the preptin agonist comprises an amino acid sequence that is at least 60% identical to SEQ ID NO: 1, 2, or 3.
46. Use according to claim 45, wherein the preptin agonist comprises an amino acid sequence that is at least 80% identical to SEQ ID NO: 1, 2, or 3.
- 25 47. Use according to claim 45, wherein the preptin agonist comprises an amino acid sequence that is at least 90% identical to SEQ ID NO: 1, 2, or 3.
48. Use according to claim 45, wherein the preptin agonist comprises an amino acid sequence that is at least 95% identical to SEQ ID NO: 1, 2, or 3.  
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49. Use according to any one of claims 39 to 41, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 14 conservative amino acid substitutions.
50. Use according to claim 49, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 10 conservative amino acid substitutions.
51. Use according to claim 49, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 6 conservative amino acid substitutions.
- 10 52. Use according to claim 49, wherein the preptin agonist comprises SEQ ID NO: 1, 2, or 3 with up to 2 conservative amino acid substitutions.